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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number	09/849658	Docket Number	CNTR.2022
Filed	5/4/2001	Group Art Unit	2183
Examiner	TONIA MEONSKE	Customer No.	23669
Application Title	APPARATUS IN A MICROPROCESSOR FOR BRANCHING IN RESPONSE TO AN INSTRUCTION CACHE FETCH ADDRESS WITHOUT KNOWING WHETHER OR NOT A BRANCH INSTRUCTION IS PRESENT IN A CACHE LINE OF INSTRUCTION BYTES SELECTED FROM THE INSTRUCTION CACHE BY THE FETCH ADDRESS AND FOR CORRECTING IF THE BRANCHING WAS ERRONEOUS		
First Named Inventor	G. GLENN HENRY		

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached hereto is Form PTO-1449, submitted under 37 CFR 1.97(d) and 1.97(e)(2), listing documents believed relevant to the subject application. It is respectfully requested that the examiner review the information disclosed herein in detail, independently evaluate each item carefully in the consideration of the pending claims and return an initialed copy of each form to the undersigned.

PLEASE NOTE: Also attached hereto is a previously submitted PTO-1449, dated 12/15/04, which was submitted to the US Patent Office via express mail. Applicant notes that the PTO-1449 dated 12/15/04 is included in the Image File Wrapper of the present case; however, the PTO-1449 dated 12/15/04 was not referred to in either the Office Action of 1/6/05 or of 6/28/05. Applicant is therefore including herewith a copy of this previous submission, and requests that the examiner review the information in detail, independently evaluate each item carefully in the consideration of the pending claims, and return an initialed copy of each form to the undersigned practitioner.

This disclosure statement should not be construed as a representation that a search has been made, that no other material information as defined in 37 CFR 1.56(a) exists, or as an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b) or is available as a reference under 35 U.S.C. §102 *et seq.* Applicant reserves the right to swear behind or otherwise disprove the alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for some reason the examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

The enclosed documents may have markings thereon. No significance is intended to be attached to the markings. Attached hereto is a check for the fee set forth in 37 CFR 1.17(p).

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DATE OF DEPOSIT: 7/11/05

I hereby certify that this paper is being deposited with the U.S. Postal Service Express Mail Post Office to Addressee Service under 37 C.F.R. §1.10 on the date shown above and is addressed to Mail Stop AMENDMENT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450. *Tanya Locke*

Respectfully submitted,

By

E. Alan Davis

E. ALAN DAVIS
Reg. No. 39,954
Tel.: (512) 301-7234

Date

7-9-05

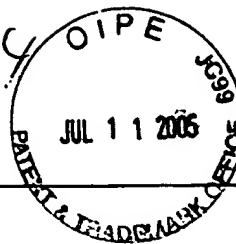
07/13/2005 SSITHIB1 00000154 09849658

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12-16-04



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In re application of:	G. Glenn Henry Thomas C. McDonald Terry Parks
Serial No.:	09/849658
Filed:	05/04/01
Docket:	CNTR.2022
For:	APPARATUS IN A MICROPROCESSOR FOR BRANCHING IN RESPONSE TO AN INSTRUCTION CACHE FETCH ADDRESS WITHOUT KNOWING WHETHER OR NOT A BRANCH INSTRUCTION IS PRESENT IN A CACHE LINE OF INSTRUCTION BYTES SELECTED FROM THE INSTRUCTION CACHE BY THE FETCH ADDRESS AND FOR CORRECTING IF THE BRANCHING WAS ERRONEOUS

**INFORMATION DISCLOSURE STATEMENT
SUBMITTED UNDER 37 CFR 1.97(D) AND 1.97 (E)(2)**

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that the Examiner review the information disclosed herein in detail, independently evaluate each item carefully in the consideration of the pending claims and return an initialed copy of each form to the undersigned.

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It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for some reason the examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of each document is enclosed. Some of the documents may have markings thereon. No significance is intended to be attached to the markings.

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. The information cited in the information disclosure statement was cited by the United States Patent Office in one or more applications that are related to the present application.

Also attached hereto is a check in the amount of \$180.00 for the fee set forth in § 1.17(p).

12/17/2004 NGUYEN1 00000061 09849658

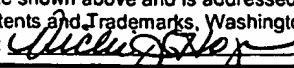
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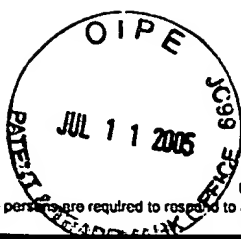
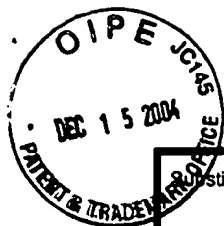
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Respectfully submitted,


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Date: 12-10-04

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PTO/SB/08A (08-CO)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/849658
				Filing Date	05/04/01
				First Named Inventor	G. Glenn Henry Thomas C. McDonald Terry Parks
				Group Art Unit	2183
				Examiner Name	Tonia L. Meonske
Sheet	1	of	3	Attorney Docket Number	CNTR.2022

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
	AA	5353421		Emma et al	10/04/1994	
	AB	5355459		Matsuo et al	10/11/1994	
	AE	5404467		Saba et al	04/04/1995	
	AE	5530825		Black et al	06/25/1996	
	AF	5687360		Po-Hua Chang	11/11/1997	
	AG	5761723		Black et al	06/02/1998	
	AH	5812839		Hoyt et al	09/22/1998	
	AI	5850543		Shiell et al	12/15/1998	
	AJ	5948100		Hsu et al	09/07/1999	
	AK	5974543		Hilgendorf et al	10/26/1999	
	AL	5978909		Oded Lempel	11/02/1999	
	AM	6044459		Bae et al	03/28/2000	
	AN	6088793		Liu et al	07/11/2000	
	AO	6108773		Col et al	08/22/2000	
	AP	6151671		D'Sa et al	11/21/2000	
	AQ	6314514		Thomas C. McDonald	11/6/2001	
	AR	6502185		Keller et al	12/31/2002	
	AS	6601161		Rappoport et al	07/29/2003	
	AT	6647467		Eric M. Dowling	11/11/2003	

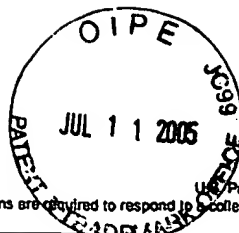
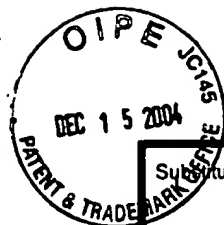
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/849658
				Filing Date	05/04/01
				First Named Inventor	G. Glenn Henry Thomas C. McDonald Terry Parks
				Group Art Unit	2183
				Examiner Name	Tonia L. Meonske
Sheet	2	of	3	Attorney Docket Number	CNTR.2022

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BA	SAKAMOTO ET AL; <u>Microarchitecture Support for Reducing Branch Penalty in a Superscaler Processor</u> ; pp. 208-216; IEEE 1996; Mitsubishi Electric Corp., System LSI Laboratory, 4-1 Mizuhara, Itami, Hyogo 664, Japan.	
	BB	YEH ET AL; <u>ALTERNATIVE IMPLEMENTATION OF TWO-LEVEL ADAPTIVE BRANCH PREDICTION</u> ; 19 TH Annual International Symposium on Computer Architecture, pp. 124-134, May 19-21, 1992, Gold Coast, Australia.	
	BC	CHANG ET AL; <u>ALTERNATIVE IMPLEMENTATIONS OF HYBRID BRANCH PREDICTORS</u> ; Proceedings of MICRO-28, 1995, IEEE.	
	BD	MC FARLING, SCOTT; WRL TECHNICAL NOTE TN-36, "Combining Branch Predictors, June 1993, Western Research Laboratory, 250 University Ave., Palo Alto, CA 94301	
	BE	IEEE 100; <u>THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS</u> ; Seventh Edition, IEEE, Standards Information Network, IEEE Press,	
	BF	BRAY ET AL; <u>STRATEGIES FOR BRANCH TARGET BUFFERS</u> ; Technical Report No. CSL-TR-91-480, June 1991.	

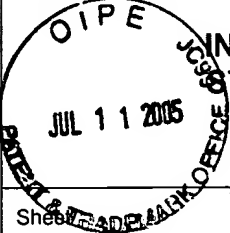
Examiner Signature		Date Considered	
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449-PTO			Complete if Known		
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	09/849658	
			Filing Date	5/4/2001	
			First Named Inventor	G. Glenn Henry	
			Art Unit	2183	
			Examiner Name	Tonia Meonske	
Sheet 1	1	of	2	Attorney Docket Number	CNTR.2022

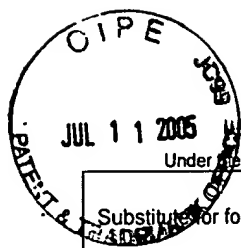
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5706491	01-06-1998	Steven C. McMahan	
		5313634	05-17-1994	James Eickemeyer	
		5961629	10-05-1999	Nguyen et al	
		5832289	11-03-1998	Shaw et al	
		5828901	10-27-1998	O'Toole et al	
		5864707	01-26-1999	Tran et al	
		6035391	03-07-2000	David L. Isaman	
		6081884	06-27-2000	Paul K. Miller	
		6250821	06-26-2001	Greg Schwendinger	
		5805877	09-08-1998	Black et al	
		6233676	05-15-2001	Henry et al	
		5623615	04-22-1997	Salem et al	
		6175897	01-16-2001	Ryan et al	
		5734881	03-31-1998	White et al	
		6260138	07-10-2001	Jeremy G. Harris	
		6823444	11-23-2004	Henry et al	
		6256727	07-03-2001	Robert Greg McDonald	
		5931944	08-03-1999	Ginosar et al	
		5881260	03-09-1999	Raje et al	
		4860197	08-22-1989	Langendorf et al	
		5513330	04-30-1996	David R. Stiles	
		6457120	09-24-2002	Balaram Sinharoy	
		5634103	05-27-1997	Dietz et al	
		6134654	10-17-2000	Patel et al	
		4181942	01-01-1980	Forster et al	

Examiner Signature	Date Considered
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This collection of information is required by 27 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for form 1449-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				First Named Inventor	G. Glenn Henry
				Art Unit	2183
				Examiner Name	Tonia Meonske
Sheet	2	of	2	Attorney Docket Number	CNTR.2022

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5687349	11-11-1997	Ralph C. McGarity	
		6279105	08-21-2001	Konigsburg et al	
		5881265	03-09-1999	McFarland et al	
		5968169	10-19-1999	James K. Pickett	
		6085311	07-04-2000	Narayan et al	
		6308259	10-23-2001	David B. Witt	
		5623614	04-22-1997	Van Dyke et al	
		5768576	06-16-1998	Hoyt et al	
		6170054	01-02-2001	Mitchell Alexander Poplingher	
		6279106	08-21-2001	James S. Roberts	
		5721855	02-24-1998	Hinton et al	
		4200927	04-29-1980	Hughes et al	
		6185676	02-06-2001	Poplingher et al.	
		5394530	02-28-1995	Mayumi Kitta	
		20040030866	02-12-2004	Thomas C. McDonald	
		20050044343	02-24-2005	Henry et al.	
		20040139281	07-15-2004	Thomas C. McDonald	
		20040139301	07-15-2004	Thomas C. McDonald	
		20040143727	07-22-2004	Thomas C. McDonald	
		20040143709	07-22-2004	Thomas C. McDonald	
		20040139292	07-15-2004	Thomas C. McDonald	
		20050076193	04-07-2005	Henry et al.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	IEEE 100, The Authoritative Dictionary of IEEE Standard Terms, Seventh Edition. The Institute of Electrical Engineering, Inc. New York: Standards Information Network IEEE Press Page 135.	

Examiner Signature		Date Considered	
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.